

Part 573 Safety Recall Report

18V-403

Manufacturer Name : Mazda North American Operations**Submission Date :** AUG 09, 2024**NHTSA Recall No. :** 18V-403**Manufacturer Recall No. :** 2618F**Manufacturer Information :****Population :**

Manufacturer Name : Mazda North American Operations

Number of potentially involved : 237

Address : 1025 Connecticut Avenue, NW

Estimated percentage with defect : 1 %

Suite 910 Washington DC 20036

Company phone : 800-222-5500

Vehicle Information :

Vehicle 1 : 2009-2010 Mazda RX-8

Vehicle Type : LIGHT VEHICLES

Body Style : 4-DOOR

Power Train : GAS

Descriptive Information : (Amendment 3) Recall population determined by production records of vehicles not yet remedied under 18V017. These vehicles have moved from 18V017 to recall 18V403.

MY/Make/Model: MY 2009 through 2010 Mazda RX-8: 239 units.

Production Dates : MAR 11, 2008 - MAR 31, 2010

VIN Range 1 : Begin : JM1FE172390400043 End : JM1FE172190403362

 Not sequential

VIN Range 2 : Begin : JM1FE1CP1A0403416 End : JM1FE1C41A0404832

 Not sequential

Description of Defect :

Description of the Defect : July 9, 2019: The vehicle count of the subject vehicles has been updated as RX-8 transition from “final” to “permanent” remedy parts is now completed. Therefore, 18V017, using desiccated phase-stabilized ammonium nitrate (“PSAN”) based propellant, has been closed simultaneously. June 24, 2019, This amendment is to move unrepaired MY 2009-2010 RX-8 vehicles under 18V017 to recall 18V403 because permanent remedy parts for RX-8 have become available. Accordingly, 18V017 will be closed as all subject vehicles have been remedied by use of the air bag inflator consisting of desiccated PSAN propellant. June 15, 2018: This submission is to replace existing recall 18V017 originally submitted on January 9, 2018 to manage recall action properly. On 18V017, the remedy was to replace the frontal passenger side air bag inflator with a Takata manufactured air bag inflator, PSPI-D, using desiccated phase- stabilized ammonium nitrate (“PSAN”). At present, an alternative air bag inflator using a non-PSAN based propellant will become available in the field. This new recall covers vehicles not yet repaired under 18V017. The improved air bag inflator is considered a permanent part and will be manufactured for the remedy on the remaining unrepaired vehicles. Following submission of this recall, Mazda intends to close 18V017 with the repaired vehicles covered. The PSPI air bag inflator, equipped in these subject Mazda vehicles, may potentially rupture during passenger side air bag deployment due to propellant degradation occurring after prolonged exposure to high absolute humidity, high temperatures, and high temperature cycling

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Activation of a non-desiccated ammonium nitrate inflator with degraded propellant may result in an inflator rupture. An inflator rupture may cause metal fragments to pass through the air bag and into the vehicle interior at high speed, which may result in injury or death to vehicle occupants.

Description of the Cause : The propellant wafers in the subject inflators may degrade over time, which could lead to over-aggressive combustion in the event the air bag is activated. Overly aggressive combustion creates excessive internal pressure when the inflator is activated, which may cause the inflator body to rupture. Based on Takata’s investigation to date, the potential for such ruptures occur after several years of exposure to persistent conditions of high absolute humidity, high temperatures, and high temperature cycling. The potential for rupture may also be influenced by other factors, including the specific vehicle environment, the inflator and propellant configuration, and manufacturing variability.

Identification of Any Warning that can Occur : NR

Involved Components :

Component Name 1 : NR

Component Description : NR

Component Part Number : NR

Supplier Identification :

Component Manufacturer

Name : Takata / T K Holding INC.

Address : 888 16th street, NW,
Suite 800 Washington D.C. District of Columbia 20006

Country : United States

Chronology :

Please see the attached file "Chronology of Defect.pdf" updated August 9 2024 (Amendment #8).

Description of Remedy :

Description of Remedy Program : Owners of record will be notified of this issue and instructed to take their vehicles to a Mazda dealer for repair. The dealer will replace the frontal passenger side air bag inflator with modified one. The repair will be performed free of charge to the vehicle owners.

On August 9, 2024, to further urge owners to obtain an urgent and free safety recall repair, Mazda is issuing an immediate DO NOT DRIVE advisory for certain MY2009-2010 RX-8 vehicles involved in this recall and remain unrepaired. Re-notification letters will be mailed by the recall schedule indicated.

How Remedy Component Differs from Recalled Component : The remedy part is an air bag inflator manufactured by a different parts supplier and does not utilize phase-stabilized ammonium nitrate.

Identify How/When Recall Condition was Corrected in Production : (Not applicable)

Recall Schedule :

Description of Recall Schedule : Renotification letters with the DO NOT DRIVE advisory will be mailed by the recall schedule indicated.

Planned Dealer Notification Date : AUG 13, 2024 - AUG 14, 2024

Planned Owner Notification Date : OCT 08, 2024 - OCT 08, 2024

* NR - Not Reported